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PTO/SB/81 (10-00)

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ELECTION AND POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	09/683,018
	Filing Date	November 8, 2001
	First Named Inventor	Feng Liang et al.
	Group Art Unit	2834
	Examiner Name	Tran N. Nguyen
	Attorney Docket Number	130209.450C1

I hereby appoint:

☒ Practitioners at Seed IP Law Group PLLC

OR

☐ Practitioner(s) named below:

00500
00500

PATENT TRADEMARK OFFICE

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

<input type="checkbox"/> Firm or Individual Name					
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Address					
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Country					
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I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☒ As assignee of record of the entire interest we hereby elect, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor.

SIGNATURE of Applicant or Assignee of Record

Name	Noordin S.K. Nanji – Corporate Secretary
Signature	
Date	May 29, 2003
Name	Dennis Campbell, Chairman
Signature	
Date	May 30, 2003

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

386001_1



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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Feng Liang et al.
Application No./Patent No.: 09/683,018 Filed/Issue Date: November 8, 2001
Entitled: ELECTRIC MACHINE WITH COOLING RINGS

Ballard Power Systems Corporation

(Name of Assignee)

a

Corporation(Type of Assignee, e.g., corporation, partnership,
university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above.
The assignment was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the
current assignee as shown below:

1. From: Inventors

To: Ford Motor Company

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached

☒ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be
submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records
of the USPTO. See MPEP 302.8]

The undersigned (whose titles are supplied below) are authorized to act on behalf of the assignee.

May 29, 2003
Date

Noordin S.K. Nanji

Typed or printed name

Signature

Corporate Secretary

Title

May 30, 2003
Date

Dennis Campbell

Typed or printed name

Signature

Chairman

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual
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Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:
Assistant Commissioner for Patents, Washington, DC 20231.

130209.450C1

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Supplemental Sheet listing additional documents in the chain of title:

Applicant/Patent Owner: Feng Liang et al.

Application No./Patent No.: 09/683,018 Filed/Issue Date: November 8, 2001

Entitled: ELECTRIC MACHINE WITH COOLING RINGS

2. From: Ford Motor Company

To: Ecostar Electric Drive Systems, L.L.C.

The document was recorded in the United States Patent and Trademark Office at Reel 012176, Frame 0094, or for which a copy thereof is attached

3. From: Ecostar Electric Drive Systems, L.L.C. To: Ballard Power Systems Corporation

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. 200-0994 entitled: **ELECTRIC MACHINE WITH COOLING RINGS.**


for which I/we intend to make application for Letters Patent of the United States listing the following as inventors:

Xingyi Xu
Mikhail Avanesov
Feng Liang; and

WHEREAS, FORD MOTOR COMPANY, a corporation organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is desirous of acquiring an interest therein;

NOW, THEREFORE, pursuant to my employment agreement heretofore made with FORD MOTOR COMPANY, or by my contractual obligation, I do sell, assign and transfer unto FORD MOTOR COMPANY the full and exclusive right for the United States of America and for all foreign countries to the said invention, as described in the specification executed by me on the date listed below, preparatory to obtaining Letters Patent of the United States therefor (and I hereby authorize my attorneys to insert the serial number and filing date herein:

Serial No. 09/683,018, Filing Date November 8, 2001, and I hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY as the assignee. Executed by:

NAME	SIGNATURE	DATE
Feng Liang 46291 Briargate Drive Canton, MI 48187 US		
Mikhail Avramovich Avanesov 3355 West Middlebury, Apt. #201 Dearborn, MI 48120 US		9/25/01
Xingyi Xu 47231 Glenhurst Drive Canton, MI 48187 US		

Vick

ASSIGNMENT

WHEREAS, we, Feng Liang, Mikhail A. Avanesov and Xingyi Xu (hereinafter referred to as ASSIGNORS), having mailing addresses of 46291 Briargate Drive, Canton, Michigan 48187; 3355 West Middlebury, Apartment #201, Dearborn, Michigan 48120; and 48655 Manhattan Circle, Canton, Michigan 48188, respectively, are the joint inventors of an invention entitled "ELECTRIC MACHINE WITH COOLING RINGS," as described and claimed in the specification for which an application for United States letters patent was filed on November 8, 2001, and assigned Application No. 09/683,018;

WHEREAS, Ford Motor Company (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at Suite 600 - Parklane Towers East, One Parklane Boulevard, Dearborn, Michigan 48126, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof effective as of September 25, 2001, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

5/23/2003
Date

Feng Liang
Feng Liang

State of)
County of) ss.

I certify that I know or have satisfactory evidence that Feng Liang is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated _____

Signature of
Notary Public _____

Printed Name _____

My appointment expires _____

Date

Mikhail A. Avanesov

State of)
County of) ss.

I certify that I know or have satisfactory evidence that Mikhail A. Avanesov is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated _____

Signature of
Notary Public _____

Printed Name _____

My appointment expires _____

2003. 5. 26.

Date

Xingyi Xu

State of

)
) ss.

County of

)

I certify that I know or have satisfactory evidence that Xingyi Xu is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated _____

Signature of
Notary Public _____

Printed Name _____

My appointment expires _____

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE LIMITED LIABILITY COMPANY UNDER THE NAME OF "ECOSTAR ELECTRIC DRIVE SYSTEMS, L.L.C." TO A DELAWARE CORPORATION, CHANGING ITS NAME FROM "ECOSTAR ELECTRIC DRIVE SYSTEMS, L.L.C." TO "BALLARD POWER SYSTEMS CORPORATION", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF NOVEMBER, A.D. 2001, AT 2:30 O'CLOCK P.M.



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

2874117 8100V

AUTHENTICATION: 1474566

010609521

DATE: 11-30-01

**CERTIFICATE OF CONVERSION TO CORPORATION
OF
ECOSTAR ELECTRIC DRIVE SYSTEMS, L.L.C.
TO
BALLARD POWER SYSTEMS CORPORATION**

**(Under Section 265 of the General Corporation
Law of the State of Delaware)**

This Certificate of Conversion to Corporation of Ecostar Electric Drive Systems, L.L.C. to Ballard Power Systems Corporation is being duly executed and filed by Ecostar Electric Drive Systems, L.L.C., a Delaware limited liability company (the "LLC"), to convert the LLC to Ballard Power Systems Corporation, a Delaware corporation (the "Corporation"), under the Delaware Limited Liability Company Act, 6 Del. C. § 18-101, et seq., and the General Corporation Law of the State of Delaware, § Del. C. § 101, et seq.

1. The LLC was first formed on March 20, 1998.
2. The LLC's name immediately prior to the filing of this Certificate of Conversion to Corporation was "Ecostar Electric Drive Systems, L.L.C."
3. The name of the Corporation as set forth in its certificate of incorporation is "Ballard Power Systems Corporation."
4. The LLC is a limited liability company formed under the laws of the State of Delaware.
5. The conversion of the LLC to the Corporation shall be effective upon the filing of this Certificate of Conversion to Corporation and a certificate of incorporation with the Secretary of State of the State of Delaware.

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 02:30 PM 11/30/2001
010609521 - 2874117

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Conversion to Corporation this the 30th day of November, 2001.

ECOSTAR ELECTRIC DRIVE SYSTEMS, L.L.C.

By: Ballard Power Corporation,
its sole member

By: 

Name: Firoz Rasul

Title: President

By: 

Name: David Smith

Title: Vice President Controller and Treasurer